

REPLACEMENT DRAWINGS



Stokesia	1					50
Vernonia	~~~~~	~~~~~	GTAGGTTTTG	GGTGTCTGGTG	AGATCAGTGT	
Crepis	TTATGAAAGC	TCGATCGGTG	TTCGATCAAT	TCAAATCGAC	GAACACGAAA	
	~~~~~	~~~~~	~~~~~	~~~~~	~~~~~	
Stokesia	51					100
Vernonia	TCGACCGAAA	TCCAACGCAT	TTTCTAATTT	GGATTTCAGA	AATCTGGGAG	
Crepis	TCGAACTCAA	CAATTCAAAT	CTGGAAATAT	TAATTGGATC	AAGCGGGCGG	
	~~~~~	~~~~~	~~~~~	~~~~~	~~~~~gagaag	
Stokesia	101					150
Vernonia	AAGGTAGCAG	AATGTCTGGAT	TCATATGATG	ATC.....GAATG	
Crepis	A...TATGAT	GATGTCTGGAT	TCATGTGATG	ATCATGATCA	GCTGGTGAAA	
	ttgaccataa	atcattttatc	aacatgggtg	ccggcggtcg	tggtcggaca	
Stokesia	151					200
Vernonia	AAAGATCATG	ATATGGACGA	ACGAGCCCCG	ATTGATCCGG	CGCCATTCTC	
Crepis	GATGATCATA	ATATAAACGA	ACGTGCACCG	GTTGATGCGG	CACCATTCTC	
	tcggaaaaat	cggtcatgga	acgtgtctca	gttgatccag	taaccttctc	
Stokesia	201					250
Vernonia	GTTAAGTGAT	CTAAAGAAAG	CAATCCCTGC	ACATTGCTTC	CGGCGATCCG	
Crepis	GTTAAGCGAT	CTAAAGAAAG	CAATCCCTCC	GCATTGCTTC	CAGCGATCTG	
	actgagtga	ttgaagcaag	caatccctcc	ccattgcttc	cagagatctg	
Stokesia	251					300
Vernonia	CCGTCTGGTC	ATCCTGCTAC	GTAGTTCAGG	ATCTCATTAT	CACCTTCCTT	
Crepis	CCATCCGTTC	ATCGTGCTAC	GTTGTTTCCG	ATCTCATTAT	TACCTTCCTT	
	taatccgctc	atcttactat	gttgttcaag	atctcattat	tgcttacatc	
Stokesia	301					350
Vernonia	TTATACACGG	TCGCCAACAC	CTACATTCCCT	CACCTCCCTC	CTCCTCTAGT	
Crepis	TTATACACGC	TCGCCAACTC	TTACATTCCCT	CTTCTTCCTC	CTCCTCTACC	
	ttctacttcc	ttgccaaacac	atatatccct	actcttcccta	ctagtctagc	
Stokesia	351					400
Vernonia	TTACTTAGCA	TGGCCGGTTT	ACTGGTTTTG	CCAATCTTGC	ATCCTCACTG	
Crepis	TTACTTAGCA	TGGCCTGTTT	ACTGGTTTTG	CCAATCTTCG	ATCCTCACTG	
	ctacttagct	tggcccgttt	actggttctg	tcaagctagc	gtcctcactg	
Stokesia	401					450
Vernonia	GTTTATGGGT	CCTCGGCCAT	GAATGCGGCC	ATCATGCCTT	TAGTGAGTAC	
Crepis	GTTTATGGGT	CATTGGCCAT	GAATGTGGCC	ATCATGCTTA	TAGTGAGTAC	
	gcttatggat	cctcggccac	gaatgtggtc	accatgcctt	tagcaactac	
Stokesia	451					500
Vernonia	CAGTGGATTG	ATAACGCCGT	TGGATTCTGC	CTCCATTCTG	CTCTCCTCAC	
Crepis	CAGTGGGTTG	ATAACACCGT	TGGATTCTGC	CTCCATTCTC	TTCTTCTCAC	
	acatggtttg	acgacactgt	gggcttcatc	ctccactcat	ttctcctcac	
Stokesia	501					550
Vernonia	CCCTTACTTT	TCTTGGAAT	ACAGCCATCG	AAAGCACCAT	GCAAACACAA	
	ACCTTACTTT	TCTTGGAAT	ACAGCCATCG	AAAGCACCAT	GCCAACACGA	

Figure 1A

REPLACEMENT DRAWINGS

Crepis	cccgtatttc tcttggaat tcagtcaccg gaatcaccat tccaacacaa	
	551	600
Stokesia	ATTCACTCGA AAACGAGGAA GTTTACATTC CTAGAACTCA GTCCCAGCTC	
Vernonia	ATTCACTCGA AAACGAGGAG GTTTACATTC CTAAAGCCAA GTCCCAGCTC	
Crepis	gttcgattga taacgatgaa gtttacattc cgaaaagcaa gtccaaactc	
	601	650
Stokesia	AGGACTTACT CCACATACGA ATTTCTTGAC AACACGCCTG GTCGAATCCT	
Vernonia	AGGAATTACT CCAATTTCAA ATTTCTTGAC AACACCCCTG GTCGAATCCT	
Crepis	gcgcg.... ..atctataa acttcttaac aaccacctg gtcggtggt	
	651	700
Stokesia	CATCTTGGTC ATCATGTTAA CCTTAGGATT TCCTTTATAC CTCTTAACGA	
Vernonia	CATTTTGCTT ATCATGTTGA CCTTGGGCTT TCCTTTATAC CTCTTGACCA	
Crepis	ggttttgatt atcatgttca ccctaggatt tcctttatac ctcttgacaa	
	701	750
Stokesia	ATGTTTCAGG CAAGAAGTAC GATAGATTTA CCAACCACTT TGATCCATTG	
Vernonia	ATATTTTCAGG CAAGAAATAC CAAAGGTTTG CCAACCACTT TGATCCGTTG	
Crepis	atatttccgg caagaaatac gacagggttg ccaaccactt cgaccccatg	
	751	800
Stokesia	AGCCCGATCT TCACCGAGCG TGAGCGAATC CAGGTTGCGT TATCAGATCT	
Vernonia	AGCCCCATCT TCAGTGAGCG TGAACGAATC CAGGTCGTGC TATCGGATGT	
Crepis	agtccaattt tcaaagaacg tgagcggttt caggtcttcc tttcggatct	
	801	850
Stokesia	TGGTATCGTT GCAGTGTTTT ACGGACTCAA GTTTCTTGTA CAAACAAAAG	
Vernonia	GGGTCTCATT GCTGTGTTTT ACGGGCTTAA GTTTCTTGTA GCGAAAAAAG	
Crepis	tggtcttctt gccgtgtttt atggaattaa agttgctgta gcaaataaag	
	851	900
Stokesia	GATTTGGTTG GGTGATGTGC ATGTATGGAG TTCCAGTGAT AGGTCTGAAT	
Vernonia	GGTTCGGTTG GGTAATGCGC ATGTACGGAG CCCCAGTGGT TGGGCTGAAT	
Crepis	gagctgcttg ggtagcgtgc atgtatggag ttccggtatt aggcgtattt	
	901	950
Stokesia	TCCTTCATTA TCGTAATCAC TTATCTGCAC CACACACATC TGTCGTCACC	
Vernonia	GCCTTCATAA TAATGATCAC TTATCTCCAC CACACCCATC TGTCTTCGCC	
Crepis	acctttttcg atgtgatcac cttcttgac cacacccatc agtcgtcgcc	
	951	1000
Stokesia	CCATTACGAT TCAACCGAAT GGAAGTGGAT CAAAGGAGCC TTGACCACAA	
Vernonia	TCATTACGAT TCGACCGAAT GGAAGTGGAT CAAAGGAGCC TTGACTACAA	
Crepis	tcattatgat tcaactgaat ggaactggat cagaggggccc ttgtcagcaa	
	1001	1050
Stokesia	TCGACAGAGA TTTCGGTCTC CTGAATCGGG TTTTCCACGA CGTTACACAC	
Vernonia	TCGATAGAGA TTTCGGTCTC CTGAATAGGG TGTTCCATGA CGTCACTCAC	
Crepis	tcgataggga ctttggtatt ctgaatagt ttttccatga tgttacacac	
	1051	1100
Stokesia	ACCCACGTGT TGCACCATTT GTTCCCTAC ATTCCACATT ATCATGCAAA	
Vernonia	ACACACGTGT TGCATCATTT GTTCCCGTAC ATTCCACATT ATCATGCAAA	

Figure 1B

REPLACEMENT DRAWINGS

Crepis	actcatgtca tgcattcattt gttttcatac attccacact atcatgcaaa
	1101 1150
Stokesia	GGAGGCAAGC GAGGCCATCA AGCCAATCTT GGGTGATTAC AGGATGATCG
Vernonia	GGAGGCGAGC GACGCAATAA AGCCGGTGTT AGGGGAGTAT CGGATGATCG
Crepis	ggaggcaagg gatgcaatca agccaatctt gggcgacttt tatatgatcg
	1151 1200
Stokesia	ACAGGACTCC ATTTTTCAAA GCAATGTGGA GAGAGGCCAA GGAATGCATT
Vernonia	ATAGGACTCC GTTTTACAAA GCAATGTGGA GAGAGGCGAA GGAATGCATC
Crepis	acaggactcc aatttttaaaa gcaatgtgga gagagggcag ggaagtgcag
	1201 1250
Stokesia	TACATCGAGC AAGATGCAGA CAGCAAGCAC AAAGGGACAT ATTGGTACCA
Vernonia	TACATCGAGC CAGATGAAGA TAAGAAGCAC AAAGGTGTAT ATTGGTACCA
Crepis	tacatcgagc ctgat..... .agcaagctc aaaggtgttt attggtatca
	1251 1300
Stokesia	TAAAATGTAA TCGATGATGG AGTTTAGTTG GAAATAATGA CATGCAGCAT
Vernonia	TAAAATGTGA TACGAGCTGA GTACGTAGTA CGTTGTATGC TTTTGTAACG
Crepis	taaattgtga tcatatgcaa aatgcacatg cattttcaaa ccctctagtt
	1301 1350
Stokesia	CCCTTTTGTA TGCTTGAATC GTTCTATTTT TTTATATGTT TTGTAAGATA
Vernonia	TTTTGTAAGA TAAATAAATA AATCTTGAAT GAAGATAAAA AAAAAAAAAA
Crepis	acgtttgttc tatgtataat aaaccgccgg tccttttggtt gactatgcct
	1351 1400
Stokesia	AATAAGTAAA TCTTTGAGTG AAGATGGGGA GCAGGAAACA AGCAGAATAT
Vernonia	AAAAAAAAAA AAAAAA~~~ ~~~~~~ ~~~~~~ ~~~~~~
Crepis	aagccaggcg aaacagttaa ataatatcgg tatgatgtgt aatgaaagta
	1401 1450
Stokesia	AATACGCTAA AAAAAAAAAA AAAAAAAAAA AAAAAAAA~~ ~~~~~~
Vernonia	~~~~~ ~~~~~~ ~~~~~~ ~~~~~~ ~~~~~~
Crepis	tgtggttgtc tggttttgtt gctatgaaag aaagtatgtg gttgtcggtc

Figure 1C

REPLACEMENT DRAWINGS

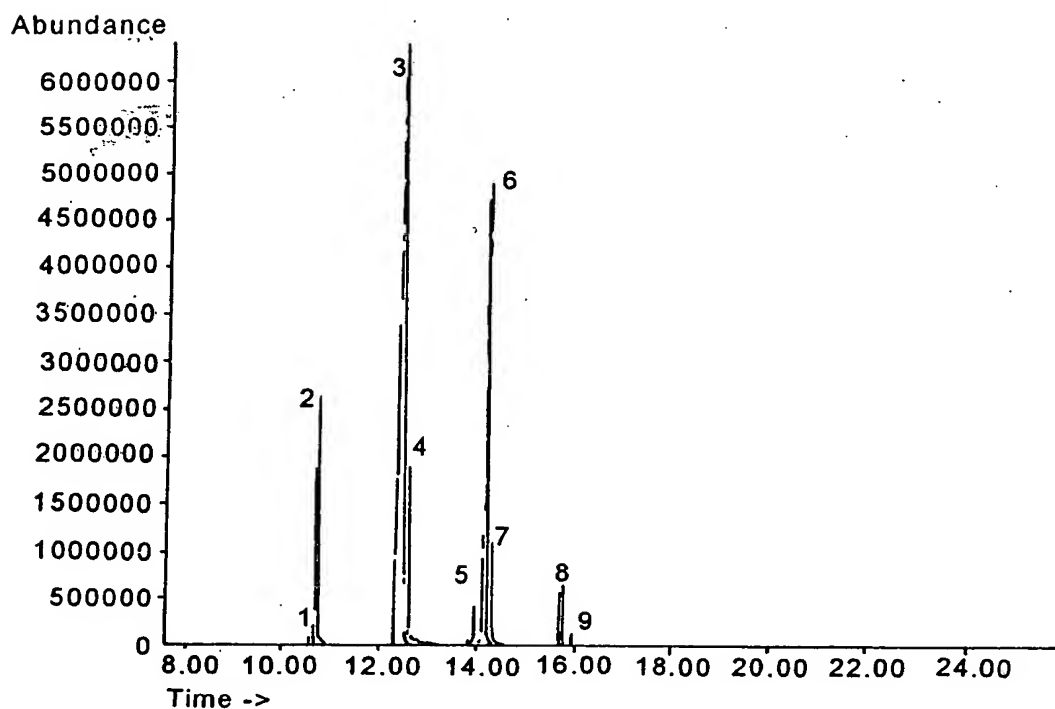


Figure 2A

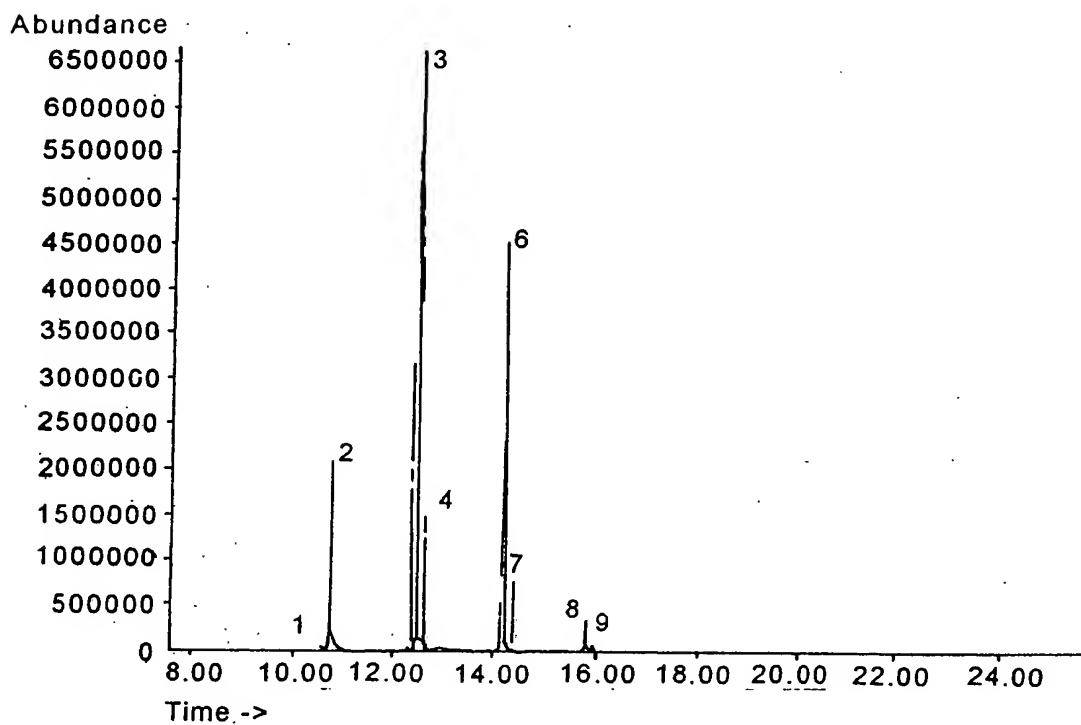


Figure 2B

Figure 2C

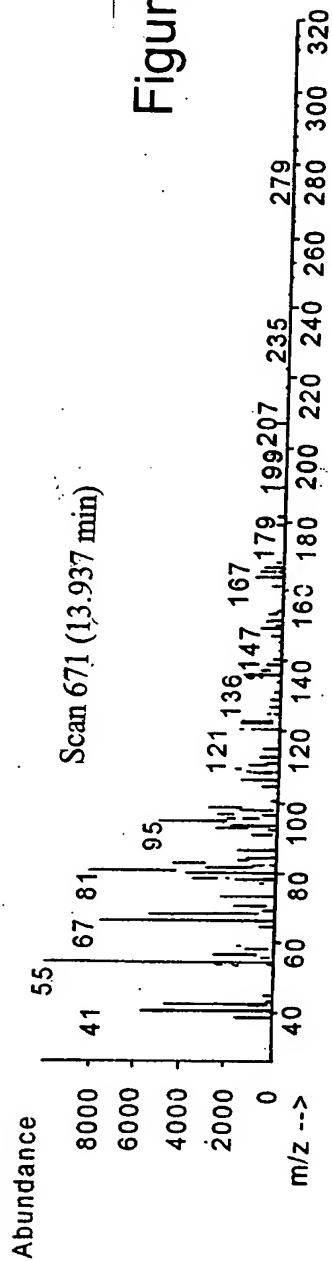
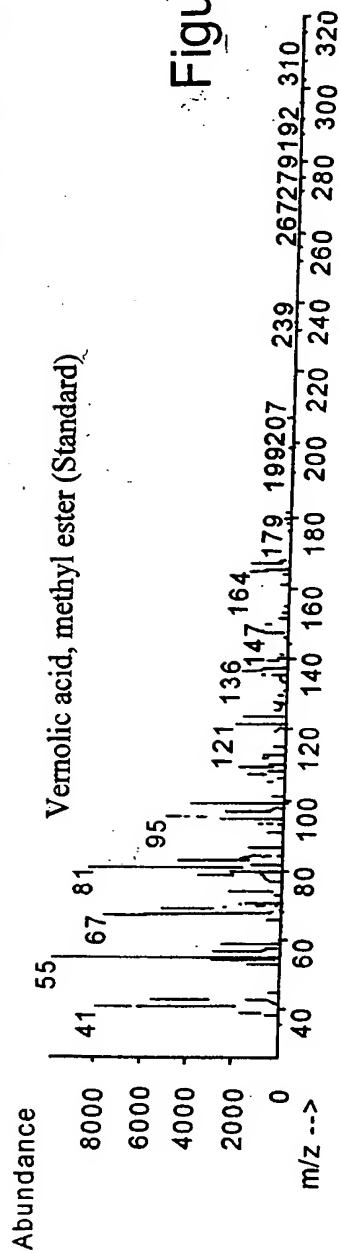


Figure 2D



REPLACEMENT DRAWINGS

RUN# 23 JUN 17, 1903 20:44:29

SAMPLE NAME: KESHUN SAMPLE# 5

RT	AREA	TYPE	WIDTH	AREA%
5.489	2422	PB	.100	.08095
6.640	2710	BV	.093	.09857
7.837	213917	BV	.101	7.14959
7.939	4303	VV	.977	.14382
9.161	1148278	PV	.217	38.37803
9.296	3801	VV	.068	.10030
10.115	329268	BV	.210	11.00461
10.693	859412	VV	.166	28.72348
10.855	4063	PV	.094	.13579
11.215	316476	VB	.095	10.57734
11.435	2001	PB	.077	.06688
11.848	13159	PV	.070	.43980
11.964	18519	VB	.103	.61895
12.384	1874	BB	.065	.06263
12.754	2144	BB	.067	.07166
13.670	14099	BB	.070	.47122
13.957	22166	PV	.075	.74084
14.535	10194	PB	.112	.34071
15.378	13162	PB	.072	.43990
16.194	3582	BV	.092	.11972
16.810	5476	PV	.078	.18302
16.988	1801	VB	.065	.06019

TOTAL AREA=2992019

MUL FACTOR=1.0000E+00

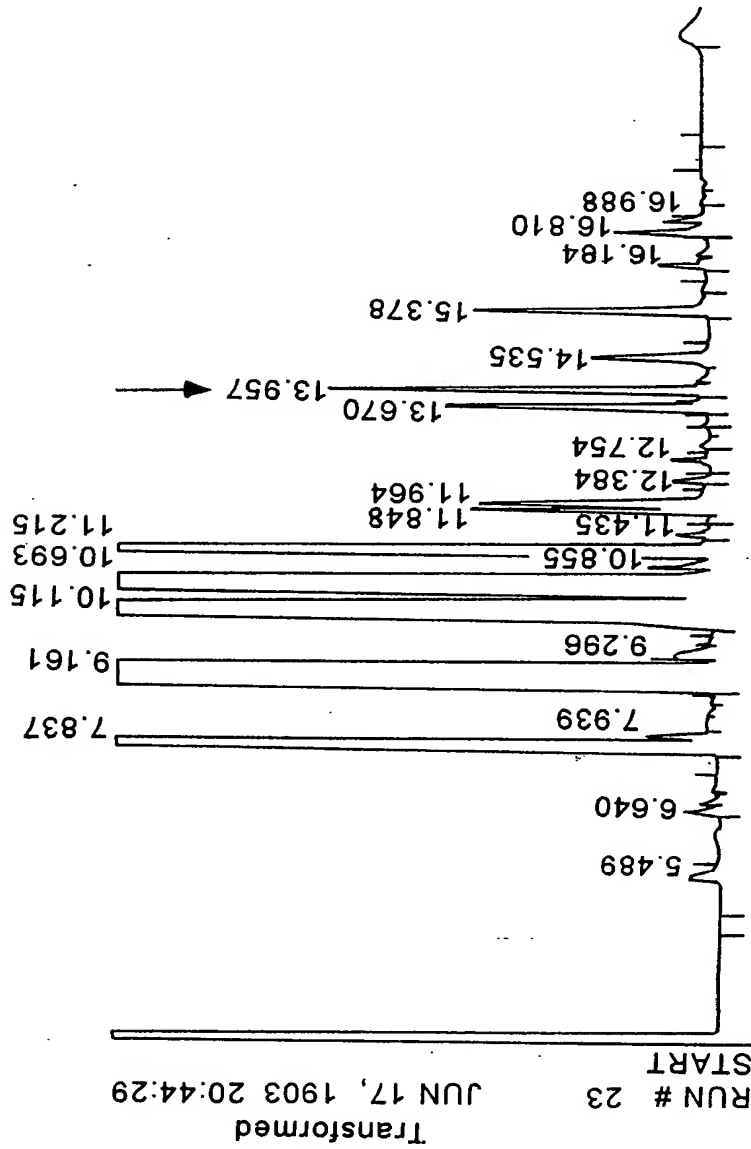
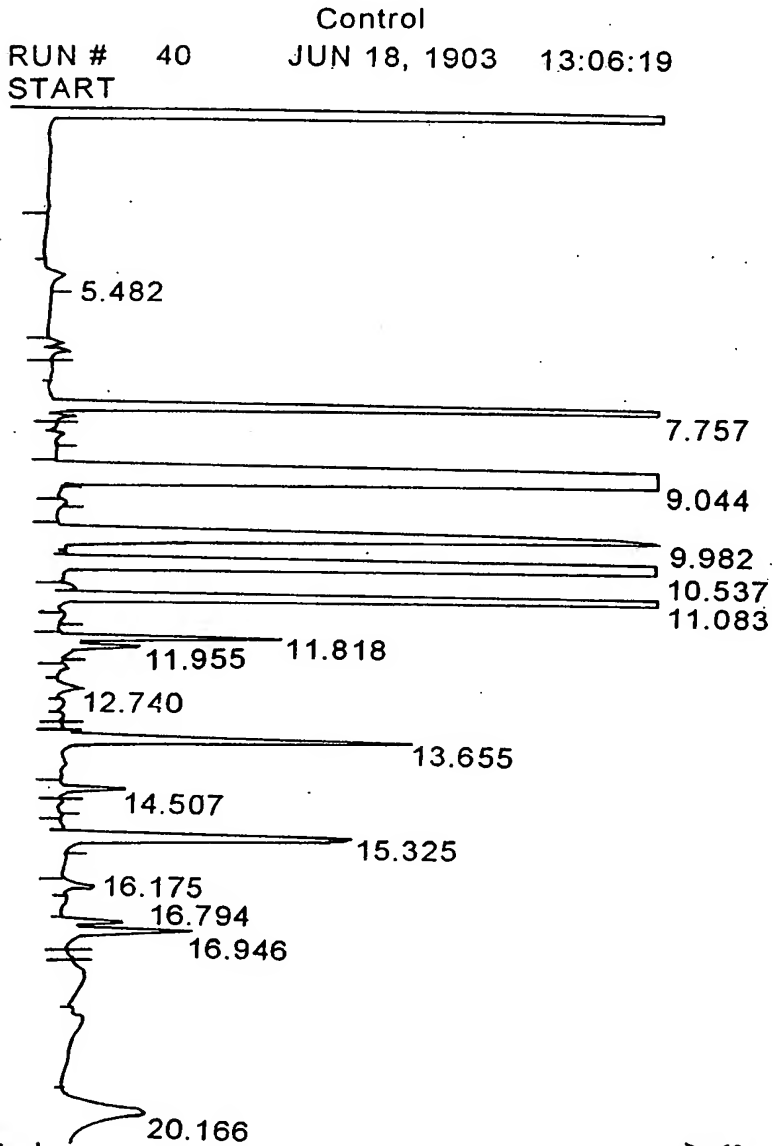


Figure 3A



RT	AREA	TYPE	WIDTH	AREA%
5.482	1623	PB	.111	.12355
7.757	62778	PB	.872	4.77838
9.044	632452	BB	.160	48.14558
9.982	33871	PV	.151	6.38469
10.537	309578	PB	.104	23.56668
11.083	101892	VB	.085	7.75655
11.818	12575	PY	.073	.95727
11.955	7326	VB	.117	.55769
12.740	1637	PP	.081	.12462
13.655	23464	BB	.086	1.78620
14.507	4169	BB	.082	.31737
15.325	32289	PB	.141	2.45801
16.175	2902	PV	.105	.22092
16.794	3350	PV	.071	.25502
16.946	11639	VB	.118	.88602
20.166	22089	PH	.354	1.68153

TOTAL AREA=1313626

MUL FACTOR=1.0000E+00

Figure 3B